DEPARTMENT OF THE INTERIOR

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Geological Applications of Well Logs

A Selected Bibliography of Well Logging Literature

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by

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

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TABLE OF CONTENTS

TOPIC	PAGE
Introduction	ii
Part A. Basic Well Logging	1
1. Fundamentals of Well Logging and Well Log Interpretation	1
I. Texts	1
II. General Logging and Electric Logging	4
III. International Well Evaluation Conferences	9
IV. Crossplot Techniques	10
V. Conditions and Special Situations Affecting Tool Response	11
VI. Cased Hole and Production Logging	14
VII. Acoustic Logging	18
VIII. Nuclear Logging	23
IX. Shaly Sands	26
X. Permeability Determination From Logs	30
XI. Reprint Volumes	32
XII. Bibliographies	33
XIII. Well-Log Response Charts	34
Part B. Geological Applications	35
2. General Geological Applications	35
3. Determination of Facies and Depositional Environment	43
4. Facies Analysis and Case Studies	46
5. Identification of Depositional Environments by SP Pattern	48
6. Dipmeter Applications	50
7. Computer Applications (Including Automated Lithofacies Analysis)	54
8. Natural Gamma-ray Spectrometry	57
9. Organic Carbon and Source Rock Determination	59
10. Tight (Low-Permeability) Gas Sands	60
11. Abnormal Pressure Detection and Evaluation	63
12. Oil and Gas Shales	66
13. Heavy Oil and Tar Sands	68
14. Coal and Coalbed Methane	70
15. Fracture Detection and Evaluation	74
16. Permafrost and Gas Hydrates	82
17. Evaporites	84
18. Borehole Gravimetry	86
19. Mineral Evaluation (Including Uranium)	88
20. Ground Water Applications	94
21. Igneous and Metamorphic Rocks	97
22. Geothermal Well-Log Evaluation	100

GEOLOGICAL APPLICATIONS OF WELL LOGS
A SELECTED BIBLIOGRAPHY

Stephen E. Prensky

The purpose of this bibliography is twofold, 1) to provide a basic, first-stop resource on well logging which the non-specialist, i.e., geoscientist, can consult and, 2) to provide a reference on geologic applications for the non-geoscientist, i.e., log analyst or petroleum engineer, as well as for the geoscientist. To achieve these goals this reference has been kept relatively simple by, a) including only papers written in English, b) excluding papers that are primarily mathematical, theoretical, experimental or instrumentation orientated, c) excluding abstracts and, d) limiting the size of this bibliography by placing emphasis on work published since 1975. It is hoped that significant contributions published prior to 1975 can be accessed through the texts and review papers which are listed. Of course the reader is invited to consult the references contained in these citations to obtain a more advanced or in-depth discussion on any subject. There has been some rudimentary cross-referencing of citations; however, time did not permit a more extensive effort.

Bibliographies of this type are, of necessity, subjective works due, in part, to the compiler's own knowledge and professional orientation or bias and to the difficulty in locating and reviewing all published work. There is no single reference which contains a complete listing of publications on well-logging and applications. Petroleum Abstracts is the single best source for keeping up with new publications in the field, however, they are not a definitive source. Many important papers, particularly older ones, have not been picked up by their abstracting service and many citations listed in this bibliography never appeared in Petroleum Abstracts. The Bibliography and Index of Geology (Georef) is a good source for abstracts and papers published in foreign language, especially Russian, journals. The primary sources of well-logging literature are publications by

1. The Society of Professional Well Log Analysts (SPLWA)
   a) The Log Analyst
   b) annual symposium transactions
   c) transactions of the European chapters' (London and Paris) symposiums
   d) reprint volumes
   e) chapter publications
2. Canadian Well Logging Society (CWLS)
   a) annual Journal
   b) biannual symposium transactions
3. Society of Petroleum Engineers (SPE)
   a) Journal of Petroleum Technology
   b) preprints from regional and national meetings
   c) monographs
   d) reprint volumes
4. Society of Exploration Geophysicists
   a) Geophysics
5. Well-logging service companies, e.g., Dresser Atlas, Gearhart-Owens, Schlumberger, Welex.

This report is a revised and expanded version of U.S. Geological Survey Open-File Report 85-44i and includes approximately 1,000 citations. The author welcomes suggestions from readers regarding changes, improvements, and additions (new or older papers which may have be overlooked) for possible inclusion in future revisions.

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